Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/14/2019 02:56 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125793	0	2.15	125791	2.20
Blue	F	SSC	125000	123931	-1	4.02	124671	4.04
Blue	E	FITC	16694	16661	-1	3.89	386	22.07
Blue	D	PE	32792	32622	-1	3.18	719	16.74
Blue	B	PerCP-Cy5-5	44451	44830	0	4.70	1231	23.11
Blue	A	PE-Cy7	33645	34475	2	7.36	624	48.37
Red	C	APC	47008	46719	-1	3.11	1805	13.81
Red	A	APC-Cy7	32298	32066	-1	3.03	800	14.56
Violet	B	V450	8961	8764	-3	4.70	497	15.38
Violet	A	V500	32726	31574	-4	4.42	762	11.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21021	3.95	609	-4	N/A	N/A	Pass
Blue	F	SSC	56106	3.61	582	14	N/A	N/A	Pass
Blue	E	FITC	63	75.85	568	5	0.0158	197	Pass
Blue	D	PE	144	57.49	572	6	0.1216	270	Pass
Blue	B	PerCP-Cy5-5	225	58.14	677	6	0.0074	100	Pass
Blue	A	PE-Cy7	124	123.55	733	7	0.0090	38	Pass
Red	C	APC	412	29.57	617	4	0.0179	127	Pass
Red	A	APC-Cy7	198	32.54	589	4	0.0043	983	Pass
Violet	B	V450	77	68.91	481	-5	0.0350	2062	Pass
Violet	A	V500	110	42.57	490	-6	0.0178	1375	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.21	-32.49	1.10
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.07	13.60 - 20.40	N/A	N/A	29.32	30.03	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10124

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments